

MATERIAL DATA SHEET**Ubiquitin Fluorescein, *human recombinant***
Cat. # U-590

Ubiquitin modified with fluorescein via primary amine coupling. This results in multiple fluoresceinated ubiquitin species with modified lysines as well as the N-terminus. Although having a fully functional C-terminus, lysine modification may limit the ability of this reagent to efficiently incorporate into poly-ubiquitin chains.

Product Information

Quantity:	100 µg, lyophilized powder
Stock:	Soluble in aqueous buffer or DMSO up to 20 mg/ml.
MW:	8.6 kDa
Purity:	> 95% by PAGE

Use & Storage

Use:	Fluorescein-ubiquitin gives a strong signal in the range of 0.1-1 µM, depending on exact experimental conditions. Optimal fluorescence at pH 8.0 is monitored using Ex ₄₉₀ nm and Em ₅₁₅ nm wavelengths respectively.
Storage:	Store at -20°C once reconstituted. Avoid multiple freeze/ thaw cycles.

Literature

References:	Corsi D., <i>et al.</i> (1995) <u>J. Biol. Chem.</u> 270 :8928-8935 Mitsui A., <i>et al.</i> (1999) <u>PNAS</u> 96 :6054-6059 Mimnaugh E.G. <i>et al.</i> (1999) <u>Electrophoresis</u> 29 :418-428 Wilkinson K.D. and Audhya T.K. (1981) <u>J. Biol. Chem.</u> 256 :9235-9241
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